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(54) **PHASED ARRAY AMPLIFIER LINEARIZATION**

(57) Apparatus and methods provide predistortion for a phased array. Radio frequency (RF) sample signals from phased array elements are provided along return paths and are combined by a hardware RF combiner. Phase shifters are adjusted such that the RF sample

signals are phase-aligned when combined. Adaptive adjustment of predistortion for the amplifiers of the phased array can be based on a signal derived from the combined RF sample signals.

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EUROPEAN SEARCH REPORT

Application Number

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